

**Acropak-200 Cast Sheet**

**SUPER STATION**

Station # Station 18  
 Deep, Mid, Shallow, Shallow  
 Cast # Cast 5  
 Event # 4236  
 Date 11/21/13  
 ODF Salinity Box A  
 ODF Nutrients Rack purple

**Geotraces 8454**

Acropak: Hemer  
 Sampler: CZ  
 Depth: 1200  
 Caro Pos: 1  
 Btl #: 39  
 Notes:

**Geotraces 8456**

Acropak: Hemer  
 Sampler: CZ  
 Depth: 1000  
 Caro Pos: 3  
 Btl #: 45  
 Notes:

**Geotraces 8458**

Acropak: Hemer  
 Sampler: CZ  
 Depth: 800  
 Caro Pos: 5  
 Btl #: 49  
 Notes:

**Sampling Order**

ODF Salinity 250 mL  
 ODF Nutrients 30 mL  
 Resing - Al 100 mL  
 Resing - Mn 100 mL  
 Saito, CO no headspace 2 x 60mL  
 Shiller - Ga 125 mL  
~~Moffett - Fe(II) 30 mL~~  
 Sedwick - dFe 2 x 125mL  
 Barbeau - Cu sp freeze 900 mL  
 Buck - Fe sp freeze 450 mL  
 Bruland - metals 500 mL  
 Wu - metals 500 mL  
 Wu - colloids 500 mL  
 Flegal - Pb shallow 1000 mL  
~~Boyle - Pb mid/deep 2000 mL~~  
 John - isos shallow 4000 mL  
~~John - isos mid/deep 1000 mL~~

**Geotraces 8460**

Acropak: Hemer  
 Sampler: CZ  
 Depth: 600  
 Caro Pos: 7  
 Btl #: 15  
 Notes:

**Geotraces 8462**

Acropak: Hemer  
 Sampler: CZ  
 Depth: 400  
 Caro Pos: 9  
 Btl #: 41  
 Notes:

**Geotraces 8464**

Acropak: Hemer  
 Sampler: CZ  
 Depth: 355  
 Caro Pos: 11  
 Btl #: 17  
 Notes:

**Geotraces 8466**

Acropak: Marge  
 Sampler: CP  
 Depth: 305  
 Caro Pos: 13  
 Btl #: 50  
 Notes:

**Geotraces 8468**

Acropak: Marge  
 Sampler: CP  
 Depth: 200  
 Caro Pos: 15  
 Btl #: 9  
 Notes:

**Geotraces 8470**

Acropak: Marge  
 Sampler: CP  
 Depth: 150  
 Caro Pos: 17  
 Btl #: 34  
 Notes:

**Geotraces 8472**

Acropak: Marge  
 Sampler: CP  
 Depth: 95  
 Caro Pos: 19  
 Btl #: 35  
 Notes:

**Geotraces 8474**

Acropak: Marge  
 Sampler: CP  
 Depth: 60  
 Caro Pos: 21  
 Btl #: 47  
 Notes:

**Geotraces 8476**

Acropak: Marge  
 Sampler: CP  
 Depth: 20  
 Caro Pos: 23  
 Btl #: 51  
 Notes:

# Geotraces R/V Thompson Membrane Sample Log

Sample Date:

11/21/13

UTC Start: 1157

UTC End: 1312

Station/Cast: <i>Station 18 Cast 5</i>	GT Event #: 4236					Sample Date: 11/21/13			UTC Start: 1157			UTC End: 1312	
Shallow/Mid/Deep (circle one)	Nuts Rack: <i>purple</i>					Samplers: LR1RS1SR			Notes:				
	Salts Rack: <i>A</i>												
Geotraces #:	Geotraces 8455	Geotraces 8457	Geotraces 8459	Geotraces 8461	Geotraces 8463	Geotraces 8465	Geotraces 8467	Geotraces 8469	Geotraces 8471	Geotraces 8473	Geotraces 8475	Geotraces 8477	
GoFlo Number:	12	14	20	22	32	38	40	9	34	35	47	51	
Depth (m):	200	1000	800	600	400	355	305	200	150	95	60	20	
Filter Holder #:	40	39	38	37	36	35	34	33	32	31	30	29	
Filter diameter:	25mm											D	
Position #:	2	4	6	8	10	12	14	16	18	20	22	24	

## Filtered Volume (L)

Waste:	6.72	6.88	6.65	6.68	5.02	7.19	6.83	6.23	6.24	3.87	1.80	1.02
Drawn:	3.565	3.565	3.565	3.565	3.565	3.565	3.565	3.565	3.565	3.565	2.375	2.375
Total:	10.285	10.445	10.215	10.245	8.585	10.755	10.395	9.795	9.805	7.435	4.175	3.395
Start Time:	1411	1410	1408	1407	1406	1405	1404	1402	1400	141358	1357	1356
End Time:	1551	1551	1554	1556	1520	1552	1553	1602	1602	1558	1558	1558

## Supor Membrane 0.45 µm

Notes: \*\*All filtered volume is ~~3.815L~~ 3.565L

Process Blanks:

#8463, stopped early, FH41 } mixed Filter Blank  
 #8461 stopped early, FH41 }  
 Tv = 1.09L

\*previously used Aeropak Rocky = shallow

D 8477  
 D 8475

#8477 Process Blanks - using Rocky (previously used Aeropak)  
 FH42 Tv = 2.0L

Sampling Order:	
Redox:	
Pressurize	
Cutter (S)	2 x 60mL (Syr.)
Cutter (I)	2 x 60mL (Syr.)
Moffett(Fe)	2 x 60mL (Syr.)
Unfiltered:	
ODF Nuts	1 x 30mL
ODF Salts	1 x 250mL
Shake	
Twining-Surface	1 x 2000mL
Twining-DCM	1 x 250mL
Part. Membrane:	
Hammerschmidt (Hg)	1 x 2000mL
Lamborg (T. Hg)	1 x 250mL
Cutter (Nnuts)	1 x 125mL
Cutter (As/Sb)	1 x 250mL
Cutter (Se)	1 x 1190mL

~~3.565~~  
 3.565  
 8475, 8477 - Taken using Aeropak